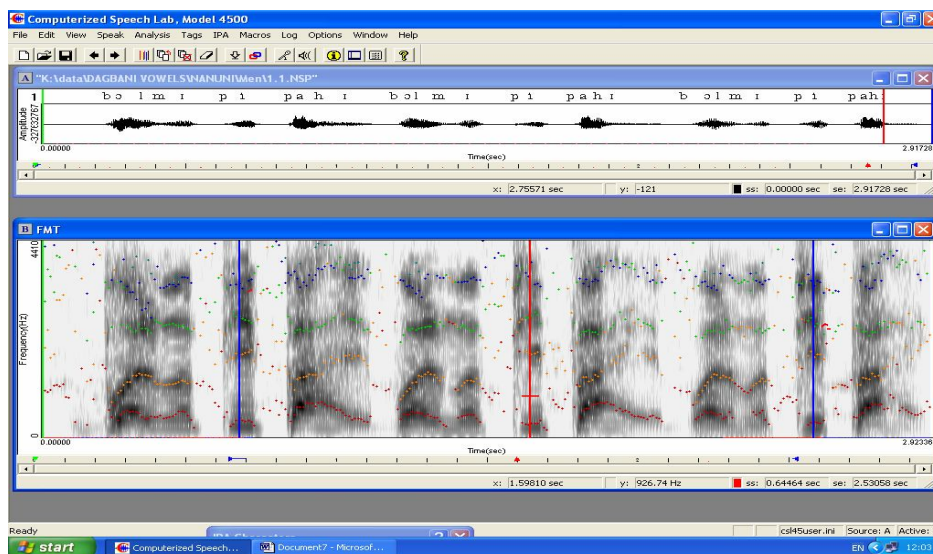
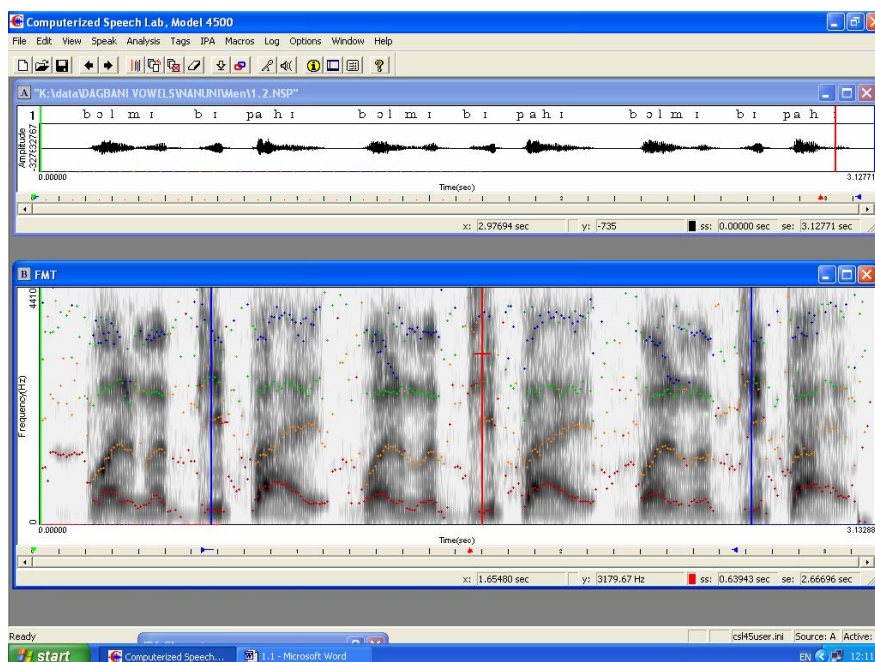


### APPENDIX III. Sample spectrograms for speakers' production of short and long vowels.

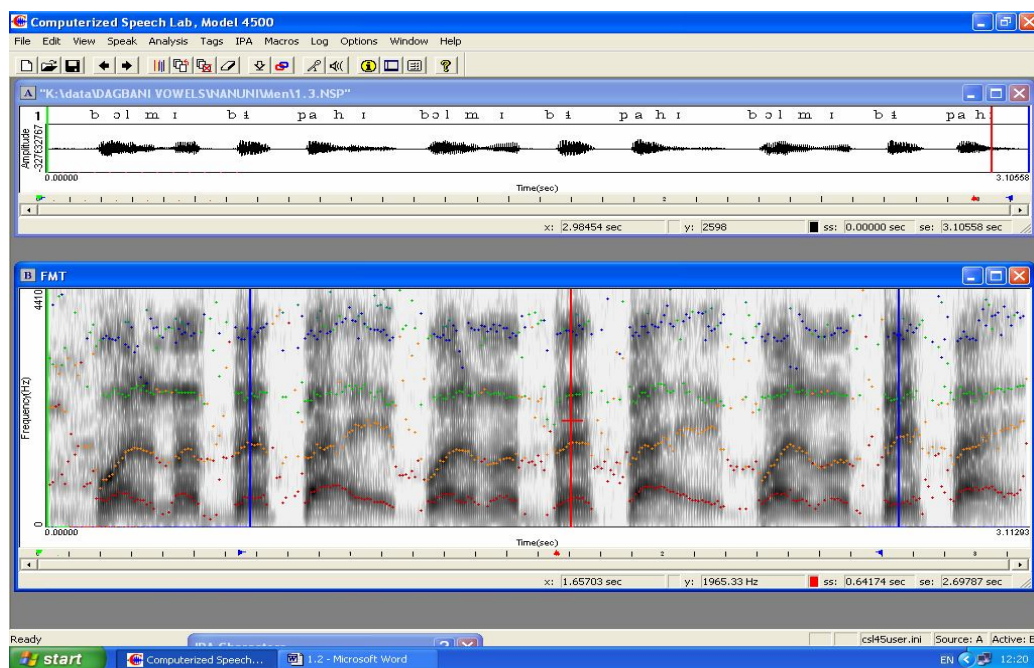
#### Nanuni speaker 1



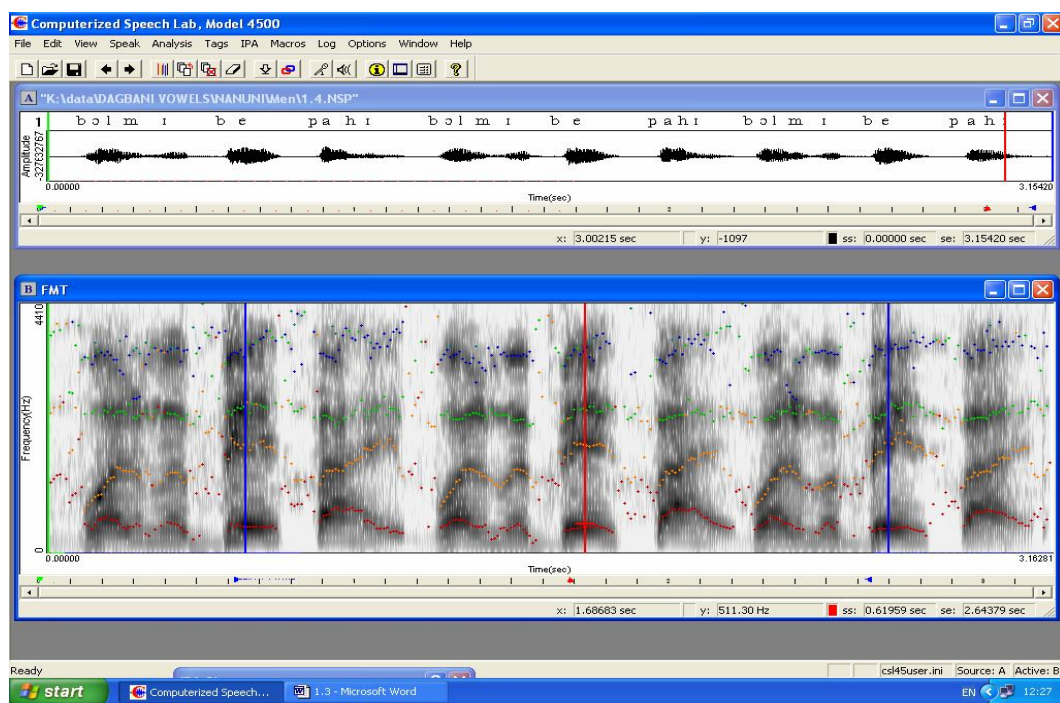
[i]



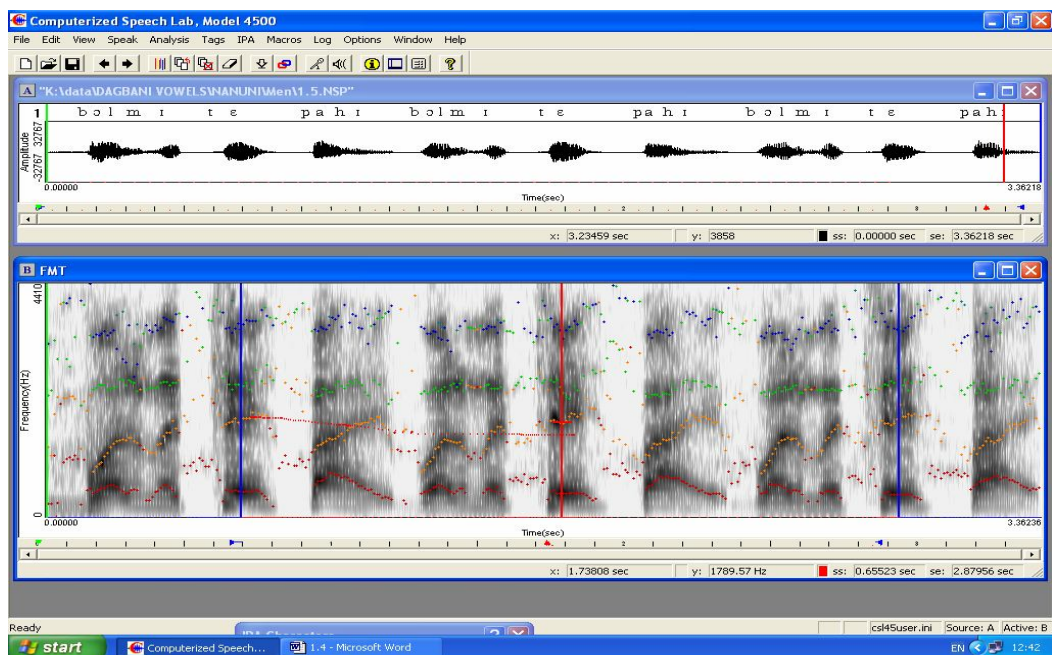
[o]



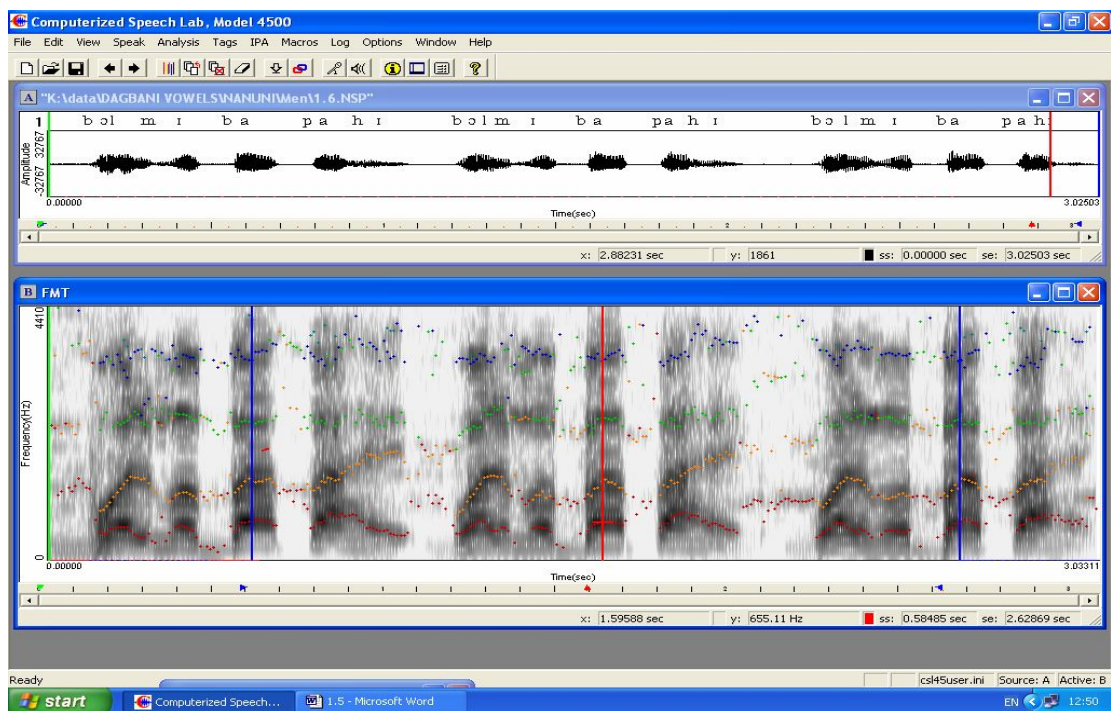
[ə]



[e]

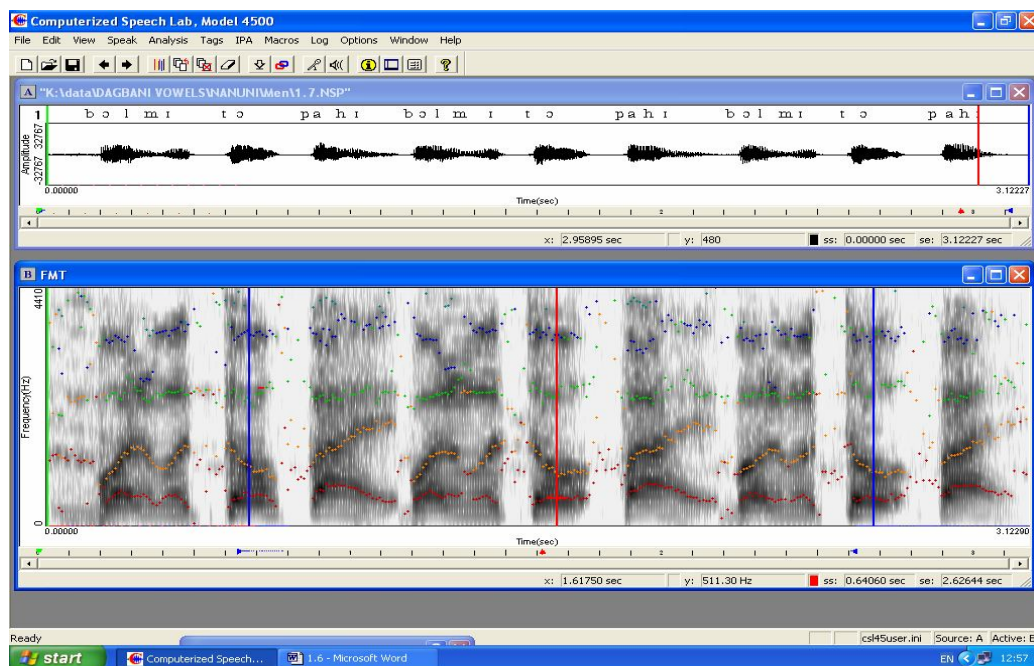


[ε]

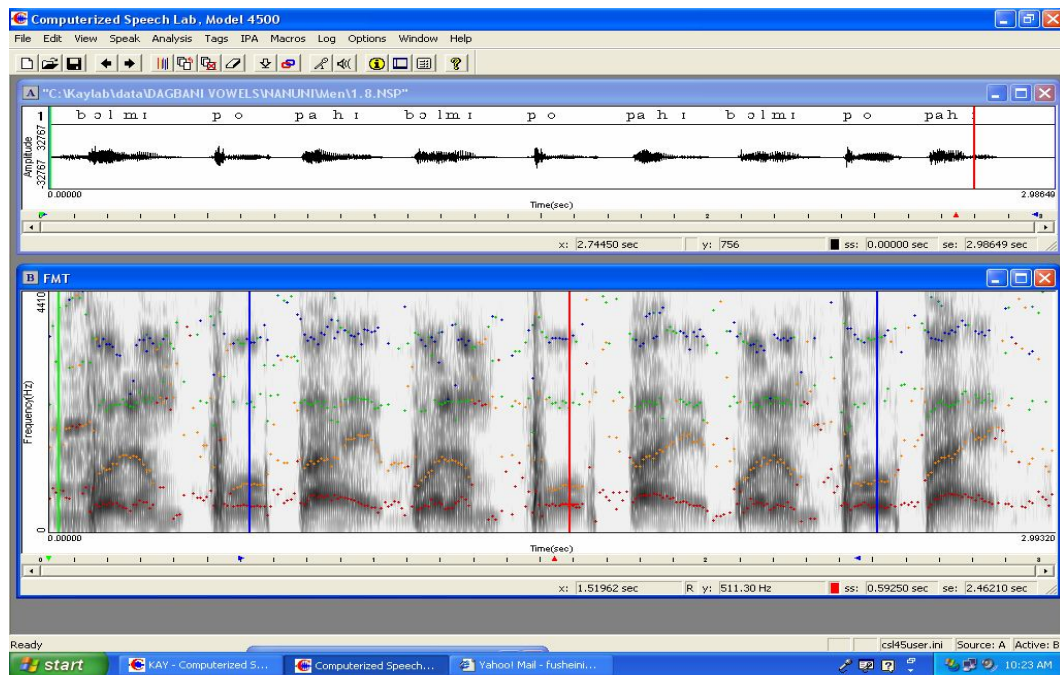


[a]





[ɔ]



[o]